

OICE

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/593,316DATE: 06/27/2006
TIME: 13:13:19Input Set : C:\CRF3\Outhold\I593316SEQa.txt
Output Set : N:\CRF3\06202000\I593316.raw

ENTERED

1. TITLE: APPLICANT: Chen, Bin
W--> 4 <120> TITLE OF INVENTION: 5' Upstream Region Sequences of the MYOD1 Gene
W--> 5 and Uses Thereof
W--> 6 <130> FILE REFERENCE: D6015
W--> 7 <140> CURRENT APPLICATION NUMBER: US 09/193,792
C--> 8 <141> CURRENT FILING DATE: 2000-06-16
9 <150> PRIOR APPLICATION NUMBER: US 66/383,113
10 <151> PRIOR FILING DATE: 1997-11-18
W--> 11 <160> NUMBER OF SEQ ID: 20
12 <161> SEQ ID NO: 1
13 <162> LENGTH: 2284
14 <163> TYPE: DNA
15 <164> ORGANISM: Homo sapiens
W--> 17 <220> FEATURE:
18 <221> NAME/KEY: promoter
19 <222> LOCATION: -1517..+747
20 <223> OTHER INFORMATION: 5' upstream promoter region of the human MYOD1 gene
W--> 21 <400> SEQUENCE: 1
22 agaaagagag tgaagagacc gaagagagag agagagatag atgagagatg tatagagagc 60
23 agatatacca catcccaagg gttggttggc tccctctgtt tccagccttt caagtagagg 120
24 ttcaggaagag agacacagct aagagcctga gactcctggc actccttcag gactatgtac 180
25 cagagatgag ttgttaagct agagagacac ccatccaaat ctgaaaggtt cttaactgaa 240
26 taagcttaca tccagccttg aaggtcttca tatcttggc ctcttcagag tatcctcccc 300
27 accacattta ctccaaagaa ttacttctat ccccaaatct ataatggaac actgaggggc 360
28 aggaagagga catcaacttc aaaaattcac acagttggga aactctggag tctcaactca 420
29 acgtggtctg aaacccagctc tgggaagatt caggttagat gaggtaggtt tctcagggca 480
30 ggtctctaaag ttgacacact tggggaatg cagtttctct gactcagcac cggagtgagg 540
31 aggaagagaa gcccccagca gagggtcttt tcttccagag tgaagagaga gctcagctca 600
32 aaccccagag atggaacttg aaacccctgc tctggaagag tgcagattta aatggagagg 660
33 attcttaacc taggcagagt cagagtttga agacattagg ccaagattta aagcaatct 720
34 cagattctca tacaacata gttgggttgc taagcatcta aggaagatga actgagccca 780
35 agactctctg aggaactccc aggtcgggga ctggcgggat atcagaacct ctaccacagg 840
36 ttctctctgg gctcggccac ttcaactctc ggggtctctc cggctgttgt tgcactcctg 900
37 cttttctctc ccttgacgct cttaagcttc tcttctctga ctctctctca aactcttctg 960
38 atcctctctt caggttctca ctctctct ctctgctc aatctcttc ctctctctca 1020
39 atctctctct actgatttca taagagcgtt ctacagctga gtcctccaca aatcagaggt 1080
40 acanaggagt attgaaagtc agctcagagg ttgcggggc cagcccaatt ttcccaggca 1140
41 taagagagtc ggtgtgtgga aaggtttgga aagggcttgc cagagagcca atgtctaac 1200
42 gctctagagt tgcagctcgc tccctccctc cctgcccagt aaggaacta ggcagagcgc 1260
43 ctttttgaag agcagagctg gctaacct ctgagagccc tgggcaccc caggaagccc 1320
44 cccaaacccc cggcccagag ttctctatt ggtctcagac tccctctcc caagctaccc 1380
45 gctagagctc caggaatttt agctactac ggtatcaatg ccaatagag ctgagagaga 1440
46 aatctaggtt caggaagccc tgaagcctga cggcagattt ctttaacac aatcagagc 1500
47 agagagagaa atctagagtg agagacatg gttcagagtt agagctgcca aatcttctt 1560
48 atctacagtc agagctcccg agcagctaa agtctagagc actctctgac attctgttt 1620
49 agagagagcc acatctctg cagagctcag ccaatatac aagttactat cagcagctt 1680
50 cagagagcta gactcaggg ccccagagc ctctctctgc tcttctgcca caaggaagca 1740

RECEIVED
OCT 13 2003
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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/593,316

DATE: 06/20/2000
TIME: 12:12:19

Input Set: C:\CRF3\Datahold\I593316.txt
Output Set: N:\CRF3\06202000\I593316.raw

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51 cttctatgac gaacattgtt tgaatccgc ggaattggc ttcttcaaa acctgaacc 1860
52 ggccttgatc caattgagg gctcctgaa acccaagag cactggact tcccacagg 1869
53 gctgacccc agtggggga gattgagga cgaactgtg cgcggcgga gggggagga 1878
54 caaaggagg cctccttgc tatgggctg caaagcctg aagggcaga caaccaacc 1887
55 caaccgcgc aagggcgga cctgaggga cggcgccgc ctgaggaag taatgaggc 1896
56 ctgtgagga ctcaaggct gaactggag caatccaac cctgggttc caaggttga 1905
57 gttcctggg aacccatgc gctatctga gggcctgag attctgttc gggacagga 1914
58 cggcgccgc cctggaggc ccccttcta tgcggcggc caactccgc cggcgccgc 1923
59 cgggagcac taagggggc actccagag gtccagccg cgtcccaat gctccagag 1932
60 caga

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62 <210> SEQ ID NO: 2

63 <211> LENGTH: 2021

64 <212> TYPE: DNA

65 <213> ORGANISM: Homo sapiens

W--> 66 <220> FEATURE:

67 <223> OTHER INFORMATION: PstI fragment (PP2.0) used as a hybridization probe

W--> 68 <400> SEQUENCE: 2

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69 ctacagaaa gggacacag taaggcctg gaactcgtg cactccgtc gaactatga 60
70 ccaacagatg gttgtaaac tgggggacac aacatccaa tctgaaagc ccttgctcga 120
71 ataaccttac ataacggct gaggacttc atatccttg tctctcaga ctacatccc 180
72 cccacaaatt acctccagaa attactgtc tccccaaat taaacttga aactgaggt 240
73 caagaaaggc acatgattc cacaaaatc cacagttgg aaactctga gttcgaactc 300
74 aactgtctg caaacccag ctggggagt tcaagtgag tgaagtcag ttctaaagc 360
75 aggtctaaa gtttgacac ttggcgaat gaacttctc tgaactaga cccagtgac 420
76 ggggagaga agcccgagg agaaggcct ttctccag ctgaagaggc agctagcct 480
77 aagcccgagg catggcctg gacacccctg ctgtggaaa ctggcagatt atatggagg 540
78 gatctctaac ctggcgagg tccaggttg gaggatttg cggcaattt agcaccatc 600
79 tcccatctc gtacacccat agctgcttt ctaagcgtc aggaagagc aactagccc 660
80 aagacctgc gaggaaactc caggtcggg actggcgaa tatcagagc tctacagcc 720
81 gtttgctcgc ggtcggcga ctccaaactc cgggtctct cgcctcttg ttgcactgt 780
82 aggttctctg cccctaaagc tctaaagctt ctgctttctg catgtcttc agctcttct 840
83 ggtcctctt tgaagcttc acctcagc tctgtccc ccaatgcctt cctctctca 900
84 aatctctcag gactgattt ctacacccgc tctacccatg ggtccccc aaatcaggga 960
85 taacagagag taattgaaat cagctcagag gtgagcggc gcauccagag ttcccgagg 1020
86 atacacagc cggatcttg aagagcttg aaagcgctg cggagagac aagtctcag 1080
87 cgcctagggc ttgcagctg ctccctcct cctgcccgc taggggacct agggcgacc 1140
88 caggtgtgga ggggaaact ggtcggcag tctggggcc ctgggcacc cggggagcc 1200
89 ccccaagcc ccccccaga gtgttcctat tggcctcga ctccctctc cccagctgc 1260
90 cgcctgggt cggggcctt taggtacta cggataaata gcccagagc cctggccag 1320
91 aagctaggga tgaagagcc ctgggagct ggcgcgctt tcttaacca caaatcagg 1380
92 cggacagag aaggaagggt ggggagagt ggggggagt tcaactacc agcatttgc 1440
93 tatctacag cgggctccc ggcggcaga aagttccgc cactctctc cgttttgtt 1500
94 gggcgaaagc caggaccta ccccgccac gccagatct ggagctactc tggccacc 1560
95 tccgcaagt agactgagc ccccgagc gctctctctg ctgtttgc aacagagc 1620
96 actctatga caacccgtt ttcaactcc cggacctgc ctctctgaa gacttga 1680
97 cagccttat gcaatgggc ggcctctca aacccgaaa gcactcacc ttcccgagg 1740
98 cagtgacac ggcgcgggc gacatgagc acaacatgt ggcgcggcc agcgggacc 1800
99 accagcgag cgcctgcta ctgtggcct gcaaggcgtg caagcgagc acacacac 1860
100 cggacgggc caagcgccg accatggcg agcgcgccg cctgagaaa gtaattgag 1920

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RAW SEQUENCE LISTING DATE: 06/20/2000
 PATENT APPLICATION: US/09/593,316 TIME: 12:12:10

Input Set = C:\CRF3\Datahold\1593316SEQa.txt
 Output Set = N:\CRF3\06202000\1593316.raw

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101 cgtttcagac actcaagcgc tgcacgtcga ggaatcacaac ccaacgcttg cccaaaggtg 1980
102 gattctatcg caacgcacac cgttatatcg agggctcgca g 2021
103 <10> SEQ ID NO: 4
104 <11> LENGTH: 563
105 <12> TYPE: DNA
106 <13> ORGANISM: Homo sapiens
W--> 108 <220> FEATURE:
109 <22> LOCATION: -1117..-861
110 <223> OTHER INFORMATION: PstI-BamHI fragment (PB0.5) used as a hybridization
111 probe
W--> 112 <400> SEQUENCE: 3
113 ctgcaggaaa gacacacacg taaggccctg aqaactcttg cactccgtca gggcatggta 60
114 cccacatga qttgtaaagc tgcaggacac aqaactccac tctgaaagc ccttgcctga 120
115 ataccctac atcaccgctt gagggtctc atatccttg tctcttcaga ctgtcatccc 180
116 caccacaatt actccaaaga attactgtca tcccacaac taaacttga aacgaggt 240
117 caggaaaggc acatgaattt cacaacatca cagaatttgg aaactctga gtctgaactc 300
118 aactggctct caaacgaact ctccgaactt taagtgaga tgaagtcagg ttctcaagcc 360
119 aggtcttga qtttgacgc ttgcgcaat gaacttctt taactcaga ccgcattgac 420
120 tgcggaaagg aqcccgcagc agaaaggctt ttcttcccag ctgaagaagg aactcagcct 480
121 aqaacccagg catggcaatg gacacccctg ctgtggaaac gtcgaattt agatggaggg 540
122 gattccctac ctgggaaaga tcc 563
123 <10> SEQ ID NO: 4
124 <11> LENGTH: 570
125 <12> TYPE: DNA
126 <13> ORGANISM: Homo sapiens
W--> 128 <220> FEATURE:
129 <22> LOCATION: -229..336
130 <223> OTHER INFORMATION: SmaI fragment (S39.5) used as a hybridization probe
W--> 131 <400> SEQUENCE: 4
132 cccggggacc ccccacaac cccgcccgcg agtgttctta ttgacctcag actccccttc 60
133 ccccagctgc cccacttggc tccggggcgt ttaggctatt aggaataat agcccaggc 120
134 acctggccga gaagctaggg atgaggaaac cctggggcgc tccgggcgtt ttccctaac 180
135 acaaatcagg ccggacagga gagggaagag tggggagacg taagtgagga ttcaacttc 240
136 cagcactttg ctatctacag ccagggtctc ctggcagcag aaagtctccg ccactctctg 300
137 ccccttgagt tggggcaag ccaggaacat agcgggcac ccgcaggata tagagctact 360
138 gtggccacgc ctccgcagc tagacctgac agcccgcac ggcctctctc gctctttgc 420
139 cacaacggac gacttctatg acgacccctg ttctgaactc ccagacctgc gctctttgc 480
140 agacctggac ccggccctga tgcactggg cgcgctctct aaaccgag agcaactgca 540
141 ctcccccgcg ggggtgcacc cggcccggg 570
142 <10> SEQ ID NO: 5
143 <11> LENGTH: 18
144 <12> TYPE: DNA
145 <13> ORGANISM: artificial sequence
W--> 147 <220> FEATURE:
148 <221> NAME/KEY: primer_bind
149 <223> OTHER INFORMATION: H1 primer used to amplify fragment corresponding to
150 nucleotides 7-129 of the cDNA sequence of human
151 Hsp91 gene
W--> 152 <400> SEQUENCE: 5

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RAW SEQUENCE LISTING

PATENT APPLICATION US/09/593,316

DATE: 06/20/2000

TIME: 12:12:10

Input Set: C:\CRF3\Datahold\I593316SEQa.txt

Output Set: N:\CRF3\06202000\I593316.raw

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153 acggccagca ctttgcac          18
155 <210> SEQ ID NO: 6
156 <211> LENGTH: 20
157 <212> TYPE: DNA
158 <213> ORGANISM: artificial sequence
W--> 159 <220> FEATURE:
160 <221> NAME/KEY: primer_bind
161 <223> OTHER INFORMATION: M2 primer used to amplify fragment corresponding to
162     nucleotides 7-126 of the cDNA sequence of human
163     MyoD1 gene
W--> 164 <400> SEQUENCE: 6
165 atccctggcgg tggcggcga          20
167 <210> SEQ ID NO: 7
168 <211> LENGTH: 19
169 <212> TYPE: DNA
170 <213> ORGANISM: artificial sequence
W--> 171 <220> FEATURE:
172 <221> NAME/KEY: primer_bind
173 <223> OTHER INFORMATION: MetF primer used to amplify internal methylation
174     sites
W--> 175 <400> SEQUENCE: 7
176 ccgaatttga agaatattga          19
178 <210> SEQ ID NO: 8
179 <211> LENGTH: 19
180 <212> TYPE: DNA
181 <213> ORGANISM: artificial sequence
W--> 182 <220> FEATURE:
183 <221> NAME/KEY: primer_bind
184 <223> OTHER INFORMATION: MetF primer used to amplify internal methylation
185     sites
W--> 186 <400> SEQUENCE: 8
187 gaccccgaga attgaagtga          19
189 <210> SEQ ID NO: 9
190 <211> LENGTH: 19
191 <212> TYPE: DNA
192 <213> ORGANISM: artificial sequence
W--> 193 <220> FEATURE:
194 <221> NAME/KEY: primer_bind
195 <223> OTHER INFORMATION: MyoD1 primer M15 used to amplify MyoD1 cDNA
196     synthesized via AMV reverse transcriptase
W--> 197 <400> SEQUENCE: 9
198 ggaqcgaaac tctgcgaa          19
200 <210> SEQ ID NO: 10
201 <211> LENGTH: 19
202 <212> TYPE: DNA
203 <213> ORGANISM: artificial sequence
W--> 204 <220> FEATURE:
205 <221> NAME/KEY: primer_bind
206 <223> OTHER INFORMATION: MyoD1 primer M16 used to amplify MyoD1 cDNA

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RAW SEQUENCE LISTING

PATENT APPLICATION US/09/593,316

DATE: 06/20/2009

TIME: 12.12.30

Input Set: C:\CRF3\Datahold\I593316SEQa.txt

Output Set: N:\CRF3\06202000\I593316.raw

```

207       Synthesized via AMV reverse transcriptase
W--> 208 <400> SEQUENCE: 10
209 ggtgtgtctcc aatgtctg          10
211 210 SEQ ID NO: 11
212 211 LENGTH: 18
213 212 TYPE: DNA
214 213 ORGANISM: artificial sequence
W--> 215 <220> FEATURE:
216 221 NAME/KEY: primer_bind
217 223 OTHER INFORMATION: (-actin primer AOTF used to amplify (-actin product
W--> 218 <400> SEQUENCE: 11
219 actctctccag ccttcctt          18
221 219 SEQ ID NO: 12
222 211 LENGTH: 18
223 212 TYPE: DNA
224 213 ORGANISM: artificial sequence
W--> 225 <220> FEATURE:
226 221 NAME/KEY: primer_bind
227 223 OTHER INFORMATION: (-actin primer AOTF used to amplify (-actin product
W--> 228 <400> SEQUENCE: 12
229 cctctctctg atcctgtc          18
231 219 SEQ ID NO: 13
232 211 LENGTH: 20
233 212 TYPE: DNA
234 213 ORGANISM: artificial sequence
W--> 235 <220> FEATURE:
236 221 NAME/KEY: primer_bind
237 223 OTHER INFORMATION: FKHR reverse primer used to amplify a 213 bp fragment
238       for Pax3-FKHR and a 206 bp fragment for Pax7-FKHR
W--> 239 <400> SEQUENCE: 13
240 attgagcatt caccagaac          20
242 210 SEQ ID NO: 14
243 211 LENGTH: 13
244 212 TYPE: DNA
245 213 ORGANISM: artificial sequence
W--> 246 <220> FEATURE:
247 221 NAME/KEY: primer_bind
248 223 OTHER INFORMATION: PAX3/7 consensus primer used to amplify a 219 bp fragment
249       for Pax3-FKHR and a 206 bp fragment for Pax7-FKHR
W--> 250 <400> SEQUENCE: 14
251 aacagcagct ctgcctac          18
253 210 SEQ ID NO: 15
254 211 LENGTH: 20
255 212 TYPE: DNA
256 213 ORGANISM: artificial sequence
W--> 257 <220> FEATURE:
258 221 NAME/KEY: primer_bind
259 223 OTHER INFORMATION: FKHR forward primer used to amplify the normal FKHR
260       transcript

```

VERIFICATION SUMMARY

DATE: 06/29/2000

PATIENT APPLICATION US/09/593,316

TIME: 12:12:11

Input Set: C:\CRF3\Datahold\ID6015SEQa.txt

Output Set: N:\CRF3\06202000\I593316.raw

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 L:5 M:283 W: Missing Blank Line separator. -130- field identifier
 L:7 M:283 W: Missing Blank Line separator. -140- field identifier
 L:8 M:270 C: Current Application Number differs. Replaced Current Application Number
 L:8 M:271 C: Current Filing Date differs. Replaced Current Filing Date
 L:11 M:283 W: Missing Blank Line separator. -150- field identifier
 L:17 M:283 W: Missing Blank Line separator. -220- field identifier
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 L:271 M:283 W: Missing Blank Line separator. -400- field identifier
 L:278 M:283 W: Missing Blank Line separator. -220- field identifier
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 L:297 M:283 W: Missing Blank Line separator. -220- field identifier
 L:299 M:283 W: Missing Blank Line separator. -100- field identifier
 L:306 M:283 W: Missing Blank Line separator. -220- field identifier
 L:310 M:283 W: Missing Blank Line separator. -400- field identifier